



## Water Supply Outlook

The water supply situation and outlook are good. Rain and lower elevation snowmelt last week resulted in improved storage situation in our mountain reservoirs. The winter snowpack accumulation is slightly below average for this time of year. Chester Morse Lake's water surface elevation is currently at 1547.7 feet, about 3.3 feet below average for this time of year. Masonry Pool has temporarily been "split" from Morse Lake to reduce seepage losses to the Cedar Moraine. The South Fork Tolt Reservoir is at 1751.2 feet, about 2.5 feet below average. Normal instream flows are being provided below the reservoirs, including above average supplemental flows in the Cedar River. Last week approximately 2.3 inches of precipitation were recorded in the Cedar watershed, and 3.0 inches in the Tolt watershed.

Water consumption for the 7-day period ending January 18 averaged 117 mgd. That average is greater than the average of 106 mgd over the same period last year, and less than the average of 126 mgd used during the same period over the years 1994-2000.

The new fish passage facilities at Landsburg were placed into operation during the week of September 15 and have performed well throughout the fall salmon spawning season. Salmon migration is complete for the year; the last salmon passed through the facility on December 21. A total of 79 adult chinook and 47 coho have passed up the new fish ladder into the habitat above the dam this year.

Major construction continues on the Cedar Treatment Facility at Lake Youngs.



## CIP Projects Update

### Cedar Treatment Facility Design-Build-Operate Project

#### Clearwells

They are completed, and in emergency service mode.

#### Ozone Building

Electricians will be wiring systems for the next few months. Ozone functional testing will begin in January with the manufacturer representative at the site for about two weeks. Additional functional and system testing is scheduled for February.

#### UV Building

UV equipment, power supply units, and controls are installed, but not completely wired. Electricians will be wiring systems for the next few months. Functional and system testing is scheduled for February and March.

#### Flow Control Facility #4

Electricians are done wiring systems. Testing of the emergency generator and some final site grading remains prior too functional and system testing. Functional and system testing is scheduled for February.



### Flow Control Facility #5

Installation of the 84" overflow piping is done. It will be pressure tested this week. Masonry begins this week. Large diameter pipe welding for interconnections is ongoing for the next couple of weeks. Functional and system testing is scheduled for March

### Raw Water Intake

Electrical systems are the remaining workload. Functional and system testing is scheduled for March.

### PSE Substation

Construction of the substation began in September, and the major components are completed. Final testing is scheduled for the week of January 26th. It will provide power to the new treatment facility.

Additional project update information is available on the public web site (<http://projects.ch2m.com/cedarps/>). Or, by calling Duane Maki at (206) 615-2001.



## Water Quality Report

### Chlorine Residual and Coliform Data from October 2003

There were no positive coliform samples in purveyor areas during November or December 2003. Average chlorine residual concentrations in the purveyor distribution systems ranged from 0.4 to 1.3 mg/L during November and December, with an overall average of 0.8 mg/L. The target residual at the Tolt Treatment facility was 1.5 mg/L and the Cedar target residual was 1.6 mg/L. The Cedar target was lowered from 1.8 to 1.6 mg/L on December 1st.

### Disinfection By-Products Results

Sample collection for 4th Quarter 2003 is complete. Results were mailed to purveyors on January 10th and were submitted to the Washington State Department of Health. Results indicate that all purveyors remained in

compliance with the TTHM and HAA MCLs.

According to the WAC, TTHM monitoring is no longer required for those purveyors that purchase 100 percent of their supply and do not rechlorinate. Those purveyors interested in continuing TTHM monitoring should contact the lab for prices and scheduling.

### Lead and Copper Monitoring

The first round of lead and copper sampling is complete. The Regional Lead and Copper Monitoring Program had a 90th percentile lead level of 7.9 ug/L and a 90th percentile copper level of 0.2 mg/L, both well below the action levels. The action level for lead is 15 ug/L and the action level for copper is 1.3 mg/L. At this point, public education related to lead is no longer required, but lead and copper will still need to be reported in the CCR's (Drinking Water Quality Annual Reports).

### Taste and Odor

The taste and odor panel is now meeting bi-weekly. Samples are rated on a scale from 1 to 9, with 1 representing the best and 9 representing the worst. The taste and odor flavor rating assessment (FRA) for the most recent Cedar distribution sample was 5.4, with earthy/grassy taste. The Tolt supply was 2.2 with a chlorinous taste. If you would like to receive a weekly update of the taste and odor panel results, please e-mail Moya Joubert at [moya.joubert@seattle.gov](mailto:moya.joubert@seattle.gov). Lake Youngs has developed a stronger fishy, grassy flavor. This is due to the large amount of submerged aquatic grasses that are decaying in the lake. A slight increase in the algae diatom, *Tabellaria*, is also contributing to the grassy flavor. This increase indicates that the annual spring diatom bloom is approaching. The spring bloom usually begins near the end of February and is gone by May.

### Application Process for the Limited Alternative to Filtration

Seattle Public Utilities has scheduled the public meetings related to the Limited Alternative to Filtration process for February 9th and 12th,

2004. More information regarding these meetings will be provided to the public and to purveyors next week.  
SPU Contact: Wylie Harper, 206 684-7880 or Lynn Kirby, 206 684-0216.

## **Regional Conservation Program Update Summary**

On the web at [www.seattle.gov/util/purveyors](http://www.seattle.gov/util/purveyors)

### **MARKETING**

#### **Savingwater.org web site alerts visitors to membership changes**

The Saving Water Partnership web site has been updated to reflect membership changes to help visitors find out whether they qualify for rebates and other water conservation programs offered by the partnership. A notice on the home page alerts visitors that Bellevue, Redmond, Kirkland, Tukwila and Skyway are no longer members, and that customers of those water districts no longer qualify for SWP rebates. Visitors from those districts are informed to contact their water utilities directly to find out what conservation programs are being offered.

CONTACT: Cornell Amaya 206-386-1170

### **YOUTH EDUCATION**

#### **Pilot Test of New Middle School Program Underway**

A new Middle School program has been developed that consists of classroom presentations on water supply, water conservation and salmon. Each of the three presentations is 50 minutes in length and includes information and activities that are designed to actively engage students. Students also have opportunities to develop personal pledges about things they are willing to do to save these resources.

A pilot test of the program is being staged in the next few months. Trained facilitators from Nature Vision, Inc., give the presentations.

CONTACT: Mike Mercer (206) 684-0570

### **RESIDENTIAL INDOOR**

#### **WashWise Transitions to Tiered**

As of January 1st, the WashWise program is now offering rebates of \$50, \$75, or \$100, based on how much energy and water a specific clothes washer saves. For those customers who purchase electricity from Puget Sound Energy they are also eligible for PSE's additional \$35 rebate. All local retailers have been provided with new forms, and have been informed of the five utilities that are no longer participating in the WashWise program. WashWise rebate requests for 2003 appear in-line with 2002 numbers.

CONTACT: David Broustis, (206) 684-4150

#### **Multifamily Toilet Rebate Program Tops 5,000 Toilets in 2003**

Owners of apartments and condominiums replaced over 5,000 water-wasting toilets in 2003. A final number will be available next month, pending inspections for rebate requests that have been received. In 2004, the Multifamily Toilet Rebate Program will focus marketing on large property management firms and wholesale water provider water districts.

CONTACT: David Broustis, (206) 684-4150

### **RESIDENTIAL LANDSCAPE**

#### **Flower and Garden Show Spreads the Natural Message**

At the NW Flower and Garden Show, Feb. 4-8, we have again been invited to supply the "Naturals" guides and "Natural yard Care" booklet to the WA Association of Landscape Professionals (WALP) and WA State Nursery and Landscape Association (WSNLA) booths, where their staff will distribute them. The Naturals will also be prominent at the Tilth - Master Composter/Soil Builder booth, which will have water conservation and Natural Yard Care focus this year. The Natural Yard Care booklet will also be distributed by the King County Master Recycler Composters and at the Malone's Nursery booth.

CONTACT: David McDonald, (206) 684-7650

## COMMERCIAL

### Sprayhead Exchange Update

Over 1,100 efficient pre-rinse sprayheads have been installed in the first two months of the program. This means the program is well on it's way to achieving the 3,000-installation goal by the summer of 2004. This program offers direct installation of efficient sprayheads at no cost to any Saving Water Partnership customer. Most sprayhead installations will be the result of a cold call. Customers receiving a visit can agree immediately to the direct installation. They also have the option of calling later for a scheduled installation. A third avenue for participating in this program is to request an installation by contacting either utility program manager, Philip Paschke for the Saving Water Partnership, or Kevin Beck with Puget Sound Energy.  
CONTACT: Philip Paschke, (206) 684-5883  
Kevin Beck (253) 395-6985

## TECHNICAL FORUM SUMMARIES

### Conservation Technical Forum:

Meeting held on January 13, 2004 at Coal Creek UD. Full meeting summary available upon request to [ernie.dunston@seattle.gov](mailto:ernie.dunston@seattle.gov).

### Water Quality & Operations Technical Forum:

Meeting held on January 14, 2004 at Seattle Water Quality Lab.

The group working on BMPs and AMPs will not meet again until April 2004, at which time Wylie Harper's replacement should be in place. Full meeting summary available upon request to [ernie.dunston@seattle.gov](mailto:ernie.dunston@seattle.gov).

### Planning & Engineering Technical Forum:

No meeting planned.